

DECLARATION AND POWERS OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

BROADBAND ANTENNA AND PROCESSES FOR MANUFACTURING SUCH AN ANTENNA

the specification of which was filed on July 21, 2003 as Application Serial No. PCT/EP03/50325 and was amended on January 28, 2005, or, if not identified here by filing date and serial number, is attached hereto.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate by me or my representatives or assigns for this invention having a filing date before that of the application on which priority is claimed.

Application No. 0209640 in FR on July 30, 2002 priority claimed Yes No

Application No. _____ in _____ on _____ priority claimed Yes No

Application No. _____ in _____ on _____ priority claimed Yes No

I hereby claim the benefit under 35 USC 119(e) of any United States provisional application(s) as listed below.

Application No. _____ Filed _____

Application No. _____ Filed _____

I hereby claim the benefit under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application

Serial No. _____ Filed _____ patented pending abandoned

Serial No. _____ Filed _____ patented pending abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint, individually and collectively, the following as my/our attorney or agent with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Joseph S. Tripoli	Registration No. <u>26,040</u>	and
Joseph J. Laks	Registration No. <u>27,914</u>	and
Harvey D. Fried	Registration No. <u>28,298</u>	and
Ronald H. Kurdyla	Registration No. <u>26,932</u>	and
Robert D. Shedd	Registration No. <u>36,269</u>	and
Vincent E. Duffy	Registration No. <u>39,964</u>	

PLEASE ADDRESS ALL
COMMUNICATIONS TO: JOSEPH S. TRIPOLI
PATENT OPERATIONS
THOMSON LICENSING INC.
P. O. BOX 5312
PRINCETON, NEW JERSEY 08543-5312

Sole or Joint Inventor (1)	<u>Jean-François PINTOS</u> (Type or Print)	<u>3 Feb 05</u> (Signature in Full. No initials.)
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Residence	<u>FR</u>	
Sole or Joint Inventor (2)	<u>Olivier MOCQUARD</u> (Type or Print)	<u>3 Feb 05</u> (Signature in Full. No initials.)
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Residence	<u>FR</u>	
Sole or Joint Inventor (3)	<u>Jean-Luc ROBERT</u> (Type or Print)	<u>3 Feb 05</u> (Signature in Full. No initials.)
Citizenship	<u>FR</u>	Date
Post Office Address	<u>2, Rue Paul Gauguin - F-35830 BETTON</u>	
Residence	<u>FR</u>	

Sole or Joint Inventor (4)	<u>Franck THUDOR</u> (Type or Print)	<u>03/02/05</u> (Signature in Full. No initials.)
Citizenship	<u>FR</u>	Date
Post Office Address	<u>28, Rue François-Charles Oberthur – F-35000 RENNES</u>	
Residence	<u>FR</u>	



Sole or Joint Inventor (5)	Corinne NICOLAS	(Signature in Full, No Initials.)
(Type or Print)		<i>Corinne</i>
Citizenship	FR	Date
Post Office Address	6, Allée Chêne aux Dames – F-35520 LA CHAPELLE DES FOUGERETZ	
Residence	FR	

Rev. 06/2004

Patent Operations
Thomson Licensing Inc.
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Princeton, NJ 08543-5312



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To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): JEAN-FRANCOIS PINTOS; OLIVIER MOCQUARD; JEAN-LUC ROBERT; FRANCK THUDOR; CORINNE NICOLAS Additional name(s) of conveying party(ies) attached:		2. Name and address of receiving party(ies): Name: THOMSON Licensing S.A. Internal Address: Street: 46 Quai A. Le Gallo F-92100 Boulogne-Billancourt, France	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment Merger <input type="checkbox"/> Security Agreement Change of Name <input type="checkbox"/> Other _____ Execution Date: February 3, 2005; respectively		Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s): US 10/523,182		B. Patent No.(s)	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOSEPH J. LAKS Internal Address: PATENT OPERATIONS THOMSON LICENSING INC. Street Address: P. O. Box 5312 City: PRINCETON State: NEW JERSEY Zip: 08543-5312		6. Total number of applications and patents involved: <u>1</u> 7. Total Fee (37 CFR 3.41): \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 07-0832	

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ROBERT D. SHEDD

Name of Person Signing

Signature - Reg. No. 36,269

Date

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4

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10/26/2006 GFREY1 00000124 070832 10523182

03 FC:8021 40.00 DA

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS, Jean-François PINTOS, 16, Allée des Fresnes, F-35230 BOURGBARRE, France, Olivier MOCQUARD, 12, Rue Hoche, F-35000 RENNES, France; Jean-Luc ROBERT, 2 Rue Paul Gauguin, F-35830 BETTON, France; Franck THUDOR, 28, Rue François-Charles Oberthur, F-35000 RENNES, France; Corinne NICOLAS, 6 Allée Chêne aux Dames, F-35520 LA CHAPELLE DES FOUGERETZ, FRANCE; hereinafter referred (collectively) to as the assignor, have invented a certain improvement relating to

BRAODBAND ANTENNA AND PROCESSES FOR MANUFACTURING SUCH AN ANTENNA

for which said assignor has caused an application for United States Letters Patent to be prepared,

() the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

(xx) said application having been filed in the United States Patent and Trademark Office on July 21, 2003 Serial Number PCT/EP03/50325 ;

AND WHEREAS

THOMSON LICENSING S.A.
46 quai Alphonse Le Gallo
F-92100 Boulogne Billancourt
FRANCE

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 3 day of Feb - , 2005

WITNESSES:

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Signature: Claire

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Signature: Denis.

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EXECUTED, this 3 day of Feb, 2005

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EXECUTED, this 3 day of Feb, 2005

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ASSIGNOR:

Signature: Pintos

Name: Jean-François PINTOS

ASSIGNOR:

Signature: OM

Name: Olivier MOSQUARD

ASSIGNOR:

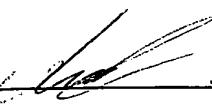
Signature: RLR

Name: Jean-Luc ROBERT

ASSIGNOR:

Signature: FT

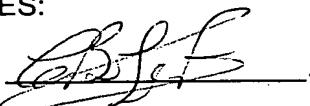
Name: Franck THUDOR

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EXECUTED, this 3 day of Feb, 2005

WITNESSES:

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FRANCE

Signature: 

Name: GEGUEN Chaline
Address: 185 Bd F. Au de Gé - Cedac
35700 RENNES

ASSIGNOR:

Signature: 

Name: Corinne NICOLAS

Serial No. 10/523,182
CUSTOMER NO. 24498

FORM PTO-1595
Rev. 08/2004



Docket No.: PF020098

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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1. Name of conveying party(ies): Thomson Licensing S.A.		2. Name and address of receiving party(ies): Name: THOMSON LICENSING Internal Address:	
Additional name(s) of conveying party(ies) attached:	Yes	No X	Street Address: 46, Quai A. Le Gallo F-92100 Boulogne-Billancourt, France
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other	Merger Change of Name		City: _____ State: _____ Zip: _____
Execution Date: October 18, 2006		Additional name(s) & address(es) attached? Yes <input type="checkbox"/> No X <input checked="" type="checkbox"/>	
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) US 10/523,182		B. Patent No.(s)	
Additional numbers attached?		Yes	No X
5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOSEPH J. LAKS Internal Address: PATENT OPERATIONS Thomson Licensing Inc. Street Address: P.O. Box 5312 City: PRINCETON State: NEW JERSEY Zip: 08543-5312		6. Total number of applications and patents involved: 1 7. Total Fee (37 CFR 3.41): \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 07-0832	

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ROBERT D. SHEDD
Name of Person Signing


Signature - Registration No. 36,269

10/9/06
Date

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ASSIGNMENT

WHEREAS, **Thomson Licensing S.A.**, a corporation duly organized and existing under the laws of France, having offices at 46, Quai A. Le Gallo, F-92100 Boulogne-Billancourt, France and **THOMSON LICENSING**, a corporation organized and existing under the laws of France and having offices at 46, Quai A. Le Gallo, F-92100 Boulogne-Billancourt, France, entered into an agreement calling for the assignment of certain inventions, to **THOMSON LICENSING**;

NOW THEREFORE, **Thomson Licensing S.A.**, in consideration of the mutual covenants of said agreement, does hereby assign to **THOMSON LICENSING**, its successors and assigns, Thomson Licensing S.A.'s entire right, title and interest, for all countries and states, in and to, and including any right to claim priority of:

US Application No. 10/523,182, filed January 28, 2005
PCT Application No. PCT/EP03/50325, filed July 21, 2003
Title: BROADBAND ANTENNA AND PROCESSES FOR
MANUFACTURING SUCH AN ANTENNA

Thomson Licensing S.A.

By: Robert D. Shedd
 Robert D. Shedd
 Sr. Patent Counsel, Reg. No. 36,269
 Thomson Licensing Inc.
 And Attorney in Fact for
 Thomson Licensing S.A.

THOMSON LICENSING

By: Robert D. Shedd
 Robert D. Shedd
 Sr. Patent Counsel, Reg. No. 36,269
 Thomson Licensing Inc.
 And Attorney in Fact for
 THOMSON LICENSING

NOTARIAL CERTIFICATE

State of New Jersey)
) :ss
 County of Middlesex)

I do hereby certify that Thomson Licensing S.A., and THOMSON LICENSING, mentioned in the foregoing Assignment, both having offices at the addresses listed above, are corporations organized and existing under the laws of the country of France, and that **Robert D. Shedd**, who signed the foregoing Assignment this day, is/are fully authorized to execute the document on behalf of Thomson Licensing S.A. and THOMSON LICENSING respectively for this purpose.

Signed and sealed this 19 day of October 2006.

DAVIDA FORNAROTTO
 Notary Public

DAVIDA P. FORNAROTTO
NOTARY PUBLIC OF NEW JERSEY
 My Commission Exp. Jan. 28, 2007.

After this Assignment has been recorded please RETURN to:
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 Thomson Licensing Inc.
 PO Box 5312
 Princeton, NJ 08543-5312